

Amendments to the Specification:

Page 8, amend paragraph [0015] to read as follows.

[0015] Hereinafter, a case of performing color two-dimensional image display according to this invention will be described with reference to Fig 3. As shown in Fig. 3(B), in the case where an overall blood flow is in a direction indicated by an arrow 4 inside a blood vessel 2 in a color two-dimensional image 6, an ultrasound beam 3 from an ultrasound probe 1 shown in Fig. 3(A) is sent to such examinee organ that has turbulence 5 present at a part of the blood flow as shown in the figure to perform a color Doppler calculation to display a color Doppler image of the organ. A data structure of the color Doppler image is such that a luminance/hue color bar 23 and a transparency color bar 24 based on a blood flow speed and a degree of variance shown in Fig. 3(C) are allotted to a portion at which the blood flow is present.